### PATENT COOPERATION TREATY

# **PCT**

### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER	see Form PCT/ISA/220
AL/10701.500	ACTION as	s well as, where applicable, item 5 below.
International application No.	International filing date (day/month/year	r) (Earliest) Priority Date (day/month/year)
PCT/IB2004/000899	25/03/2004	27/03/2003
Applicant		
MEDICURE, INC.		
This International Search Report has been according to Article 18. A copy is being tra		Authority and is transmitted to the applicant
This International Search Report consists	of a total of sheets.	
It is also accompanied by	a copy of each prior art document cited in	this report.
Basis of the report     a. With regard to the language, the in language in which it was filed, unle	international search was carried out on the ess otherwise indicated under this item.	e basis of the international application in the
The international s this Authority (Rule		ranslation of the international application furnished to
b. With regard to any nucleo	tide and/or amino acid sequence disclo	osed in the international application, see Box No. I.
2. X Certain claims were four	nd unsearchable (See Box II).	
3. X Unity of invention is lack	ting (see Box III).	
4. With regard to the title,		
X the text is approved as sub	omitted by the applicant.	
the text has been establish	hed by this Authority to read as follows:	
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	•	,
·		
		•
•		
5. With regard to the abstract,		•
X the text is approved as sub	• • • • • • • • • • • • • • • • • • • •	
the text has been establish may, within one month fror	red, according to Rule 38.2(b), by this Aut $\mathfrak n$ the date of mailing of this international $\mathfrak s$	thority as it appears in Box No. IV. The applicant search report, submit comments to this Authority.
6. With regards to the drawings,		
a. the figure of the drawings to be pu	ublished with the abstract is Figure No	
as suggested by th		
as selected by this	Authority, because the applicant failed to	suggest a figure.
as selected by this	Authority, because this figure better char	racterizes the invention.
b. X none of the figures is to be	published with the abstract.	

International application No. PCT/I B2004/000899

### INTERNATIONAL SEARCH REPORT

Box II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This Inte	ernational Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
1. X	Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
	Although claim 1 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2.	Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This Inter	national Searching Authority found multiple inventions in this international application, as follows:
	see additional sheet
	$\cdot$ . $\dot{\cdot}$
1.	As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3	As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. X N	lo required additional search fees were timely paid by the applicant. Consequently, this International Search Report is estricted to the invention first mentioned in the claims; it is covered by claims Nos.:
:	l (partially)
Remark o	The additional search fees were accompanied by the applicant's protest.
	No protest accompanied the payment of additional search fees.

### FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

claim: 1 (partially)

Use of pyridoxal-5'-phosphate for modulating cell death.

2. claim: 1 (partially)

Use of pyridoxic acid for modulating cell death.

3. claim: 1 (partially)

Use of pyridoxal for modulating cell death.

4. claim: 1 (partially)

. Use of pyridoxine for modulating cell death.

5. claim: 1 (partially)

Use of pyridoxamine for modulating cell death.

6. claims: 2-10

Use of a compound of the formula of claim 2 for modulating cell death.

7. claims: 11-25

Use of a compound of the formula of claim 11 for modulating cell death.

8. claims: 26-33

Use of a compound of the formula of claim 26 for modulating cell death.

9. claims: 34-40

Use of a compound of the formula of claim 34 for modulating cell death.

10. claims: 41-49

## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Use of a compound of the formula of claim 49 for modulating cell death.  $\,$ 

page 2 of 2

#### INT )NATIONAL SEARCH REPORT

dernational Application No PCT/IB2004/000899

A. CLASSIFICATION OF SUBJECT MATTER
1PC 7 A61K31/4415 A61K31/4355 A61K31/675 A61P39/00

According to International Patent Classification (IPC) or to both national classification and IPC

#### **B. FIELDS SEARCHED**

 $\label{eq:minimum documentation searched (classification system followed by classification symbols)} IPC \cdot 7 \qquad A61K \qquad A61P$ 

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, CHEM ABS Data, BIOSIS, EMBASE

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
X	WO 00/57863 A (UNIV MANITOBA ; MEDICURE INC (CA)) 5 October 2000 (2000-10-05) abstract; claims 9-14; tables 10-13	1		
X	WO 01/03682 A (MEDICURE INC) 18 January 2001 (2001-01-18) abstract; claims 1-72; examples 1-10	1		
X	EP 0 282 696 A (SPECK ULRICH) 21 September 1988 (1988-09-21) abstract column 4, line 45 - column 6, line 29; claims 1-6	. 1		
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X Further documents are listed in the continuation of box C.	X Patent family members are listed in annex.		
<ul> <li>Special categories of cited documents:</li> <li>"A" document defining the general state of the art which is not considered to be of particular relevance</li> <li>"E" earlier document but published on or after the international filing date</li> <li>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</li> <li>"O" document referring to an oral disclosure, use, exhibition or other means</li> <li>"P" document published prior to the international filing date but later than the priority date claimed</li> </ul>	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.  "&" document member of the same patent family		
Date of the actual completion of the international search  5 August 2004	Date of mailing of the international search report  2 9. 09. 2004		
Name and mailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL - 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  Fax: (+31-70) 340-3016	Authorized officer  A. Jakobs		

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X	GENG M Y ET AL: "Protective effects of pyridoxal phosphate against glucose deprivation-induced damage in cultured hippocampal neurons."  JOURNAL OF NEUROCHEMISTRY. JUN 1997, vol. 68, no. 6, June 1997 (1997-06), pages 2500-2506, XP001197371 ISSN: 0022-3042 the whole document	1
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